

*What is claimed is:* CLAIMS

*A We claim:*

1        1. A method for providing data services to mobile devices in a system comprising a  
2 data network, at least one content server accessible via the data network, at least one gateway for  
3 accessing the data network, a mobile telephone network for communicating between the mobile  
4 devices and said at least one gateway, and a content converter connected to the data network, the  
5 method comprising:

6                uploading to the content converter and storing therewith indications of the characteristics  
7                of each terminal device;

8                routing content for a particular mobile terminal from said at least one content server to the  
9                content converter;

10                adjusting content for the particular mobile terminal in the content converter according to  
11                the stored characteristics of the mobile terminal; and

12                routing the adjusted content through the data network to said at least one gateway for  
13                forwarding to said particular mobile terminal.

1        2. The method of claim 1 wherein the content is in wireless application protocol  
2 (WAP) format.

1        3. The method of claim 1, wherein the data network is a wide-area network (WAN).

1        4. The method of claim 3, wherein the WAN is the Internet.

1           5.     The method of claim 1, further including the step of uploading to the content  
2     converter and storing therewith indications of preferences of the user of each terminal device, and  
3     wherein the step of adjusting content is according to said stored preferences of the user.

1           6.     The method of claim 5, wherein content is adjusted in accordance with a  
2     preference currently entered by the user and stored.

1           7.     The method of claim 5, wherein content is adjusted in accordance with a  
2     preference previously stored and currently selected by the user.

8.     Apparatus for providing data services to mobile devices in a system comprising a  
data network, at least one content server accessible via the data network, at least one gateway for  
accessing the data network, a mobile telephone network for communicating between the mobile  
devices and said at least one gateway, and a content converter connected to the data network,  
the apparatus comprising:

  a data store associated with the content converter for storing indications of the  
  characteristics of each terminal device;  
  receiving means at the content converter for receiving content for a particular mobile  
  terminal from said at least one content server;  
  logic for adjusting content for the particular mobile terminal in the content converter  
  according to the stored characteristics of the mobile terminal; and  
  sending means for routing the adjusted content through the data network to said at least  
  one gateway for forwarding to said particular mobile terminal.

1           9.       The apparatus of claim 8 wherein the content is in wireless application protocol  
2       (WAP) format.

1           10.      The apparatus of claim 9, wherein the data network is a wide-area network  
2       (WAN).

1           11.      The apparatus of claim 10, wherein the WAN is the Internet.

1           12.      The apparatus of claim 7, wherein the data store further stores indications of  
2       preferences of the user of each terminal device, and wherein the logic adjusts content in  
3       accordance with stored preferences of the user.

1           13.      The apparatus of claim 12, wherein the logic adjusts content in accordance with a  
2       preference currently entered by the user and stored.

1           14.      The apparatus of claim 12, wherein the logic adjusts content in accordance with a  
2       preference previously stored and currently selected by the user.